

[SYSTEM FOR ACCESSING A PLURALITY OF DEVICES BY USING A SINGLE BUS AND CONTROL APPARATUS THEREIN]

Abstract

The present invention provides a system for accessing a plurality of devices by using a single bus and a control apparatus therein.

The system comprises a control apparatus, a bus isolator, a shared bus, a first device and a second device. The control apparatus controls to switch between the first device and the second device so as to share the shared bus, and also optionally use the bus isolator to isolate the second device from the shared bus according to whether the first device is selected. Since a plurality of devices is accessed through a single bus, a number of buses as well as a pin count in an integrated circuit can be reduced.